

Total Number of Incidents: 24

Table I: Splash Types

Splash Type	Eye	Skin
Acid	11	8
Base	4	1

Table II: Ocular Base Splashes (1 eye involved)

Age (years)	Product	Concentration	Eye	Initial Lavage	Secondary Lavage	Additional Treatment	Lost Work Time (days)	Sequelae	Comments
30	Sodium Hydroxide	30%	Right	Diphoterine®	Diphoterine®	None	0	None	Degreasing Splashed while transferring 30% sodium hydroxide
32	Basic Solution	30%	Right	Diphoterine®	Diphoterine®	None	0	None	Degreasing While filling a tank, a hook fell inside
62	Quicklime (Calcium Oxide)	Unknown	Right	Diphoterine®	Diphoterine®	None	0	None	Neutralization While filling a container with quicklime, an eye splash occurred despite the wearing of safety goggles
27	Quicklime (Calcium Oxide)	Unknown	Left	Diphoterine®	Diphoterine®	None	0	None	Neutralization Splashed while transferring

Table III: Ocular Acid Splashes (1 eye involved)

Age (years)	Product	Concentration	Eye	Initial Lavage	Secondary Lavage	Additional Treatment	Lost Work Time (days)	Sequelae	Comments
36	Mixture H ₃ PO ₄ /HNO ₃	H ₃ PO ₄ 5% /HNO ₃ 30-35%	Left	Diphoterine®	Diphoterine®	None	0	None	Stripping
22	H ₂ SO ₄	20%	Right	Diphoterine®	Diphoterine®	None	0	None	Stripping (bumped into a chain)
45	NH ₂ SO ₃ H	Powder	Right	Diphoterine®	Diphoterine®	None	0	None	While emptying a sack of powder, some got into the eye
47	H ₂ SO ₄	20%	Not Reported	Diphoterine®	Diphoterine®	None	0	None	Stripping While filling an acid bath, an eye splash occurred despite the wearing of safety goggles
45	NH ₂ SO ₃ H	Powder	Not Reported	Diphoterine®	Diphoterine®	None	0	None	Stripping While filling a container with acid powder, the operator got some in the eye
46	H ₂ SO ₄	20%	Right	Diphoterine®	Diphoterine®	None	1	None	Stripping Splashed with acid while cleaning
22	Mixture H ₃ PO ₄ /HNO ₃	H ₃ PO ₄ 5% /HNO ₃ 35%	Left	Diphoterine®	Diphoterine®	None	1	None	Splashed in the eye while cleaning
41	H ₂ SO ₄	20% (dilute)	Left	Diphoterine®	Diphoterine®	None	0	None	Stripping While cleaning tiles with a vapor apparatus, splashed with water and 20% sulfuric acid in the left eye
48	Mixture H ₂ SO ₄ /HNO ₃	5%H ₂ SO ₄ / 7% HNO ₃	Left	Diphoterine®	Diphoterine®	None	1	None	Stripping and suctioning After suctioning, while removing the suction pump was splashed with this mixture as well as receiving an ocular foreign body
41	H ₂ SO ₄	20%	Right	Diphoterine®	Diphoterine®	None	0	None	Splashed while placing pipes in the acid bath
48	H ₂ SO ₄	20%	Left	Diphoterine®	Diphoterine®	None	0	None	Splashed while cleaning

Table IV: Acid Skin Splashes

Age (years)	Product	Concentration	Body Area	Initial Lavage	Secondary Lavage	Additional Treatment	Lost Work Time (days)	Sequelae	Comments
53	HNO ₃	53%	Head	Diphoterine®	Diphoterine®	None	0	None	Transferring While emptying a truck, nitric acid was splashed on the employee's head
25	H ₂ SO ₄	20%	Right Cheek	Diphoterine®	Diphoterine®	None	0	None	Splashed while opening a valve
26	H ₂ SO ₄	20%	Thorax	Diphoterine®	Diphoterine®	None	0	None	Stripping Splashed on the chest with sulfuric acid while emptying a pipe
28	H ₃ PO ₄	16%	Left Forearm	Diphoterine®	Diphoterine®	None	0	None	Degreasing Came in contact with the acid while working
25	H ₂ SO ₄	20%	Face	Diphoterine®	Diphoterine®	None	0	None	Stripping
21	H ₃ PO ₄	15%	Right Hand	Diphoterine®	Diphoterine®	None	0	None	Degreasing Splashed with acid while placing pipes in the bath
32	H ₃ PO ₄	75%	Thorax, Genitals, Right Thigh	Diphoterine®	Diphoterine®	None	0	None	Degreasing While transferring from a container into the acid bath for stripping pipes, the screws were not fastened and there was a defective transfer
27	H ₂ SO ₄	20%	Right Hand	Diphoterine®	Diphoterine®	None	0	None	Splashed while handling the acid

Table V: Base Skin Splashes

Age (years)	Product	Concentration	Body Area	Initial Lavage	Secondary Lavage	Additional Treatment	Lost Work Time (days)	Sequelae	Comments
44	Sodium Hydroxide	45%	Knee	Diphoterine®	Diphoterine®	None	0	None	Worker kneeled in a puddle of 45% sodium hydroxide